

FIG 1

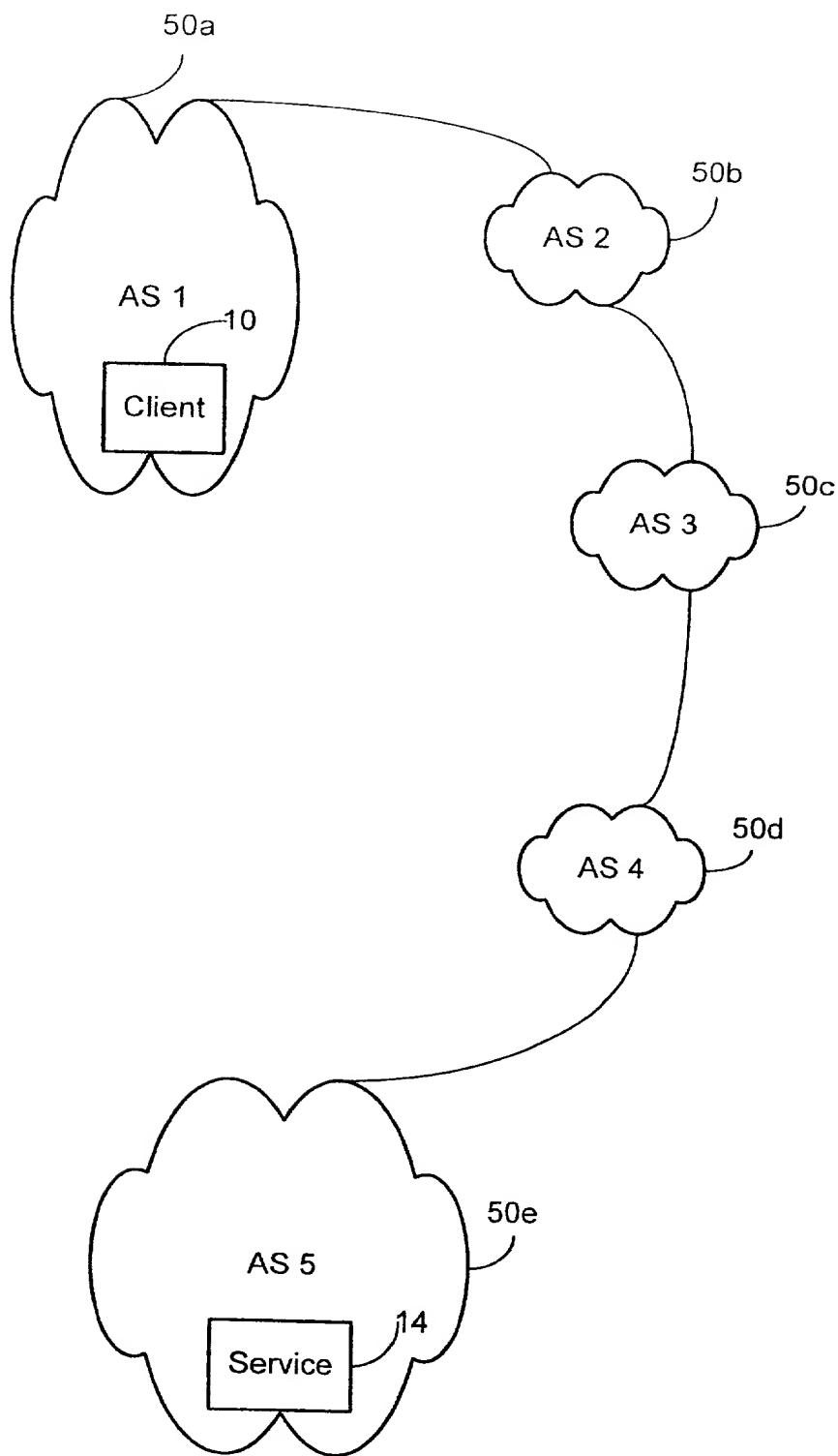


FIG 2

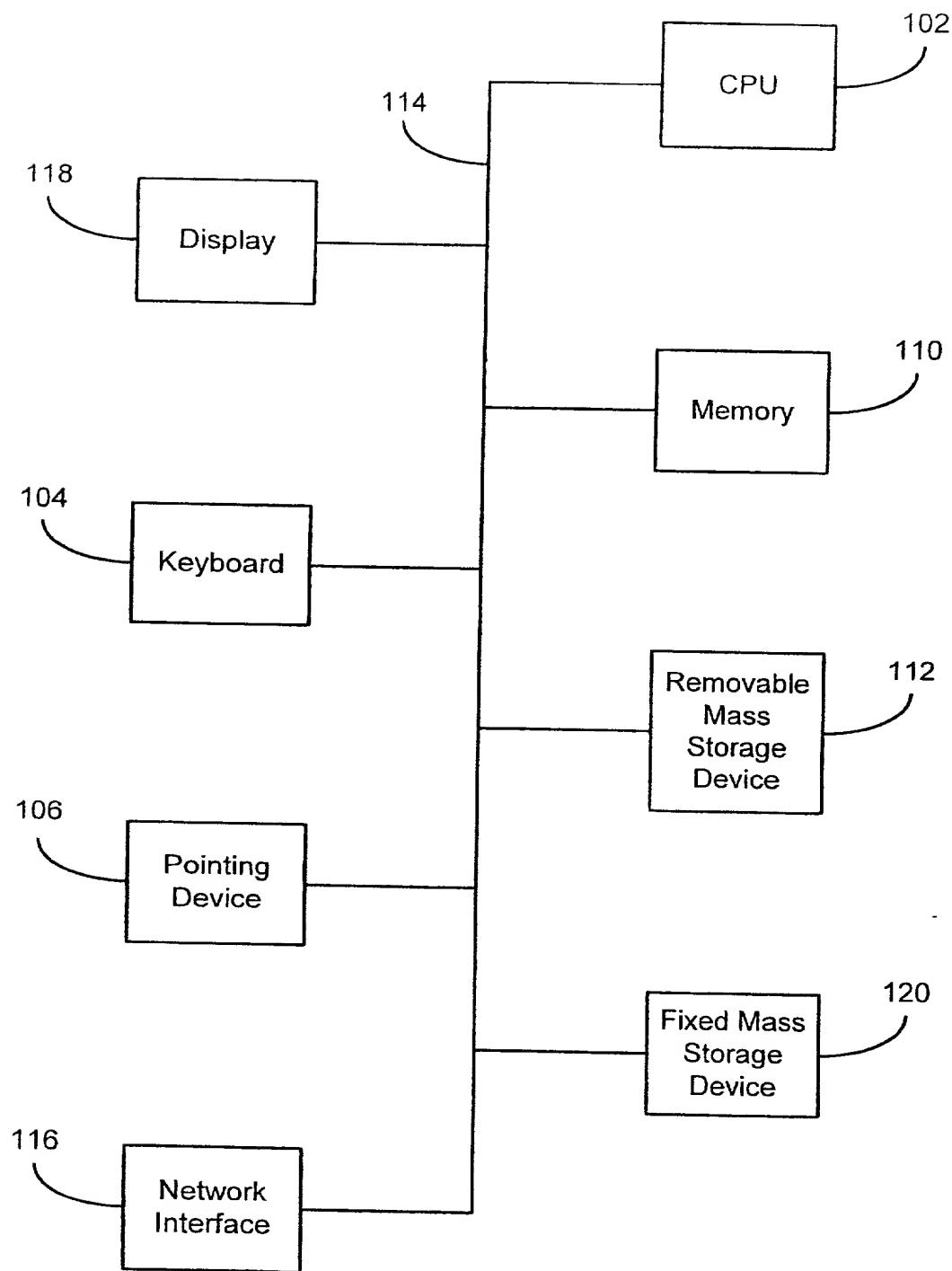


FIG 3

150
158 ~
154 ~
156 ~
160 ~
162 ~
164
166
168
170 ~
172

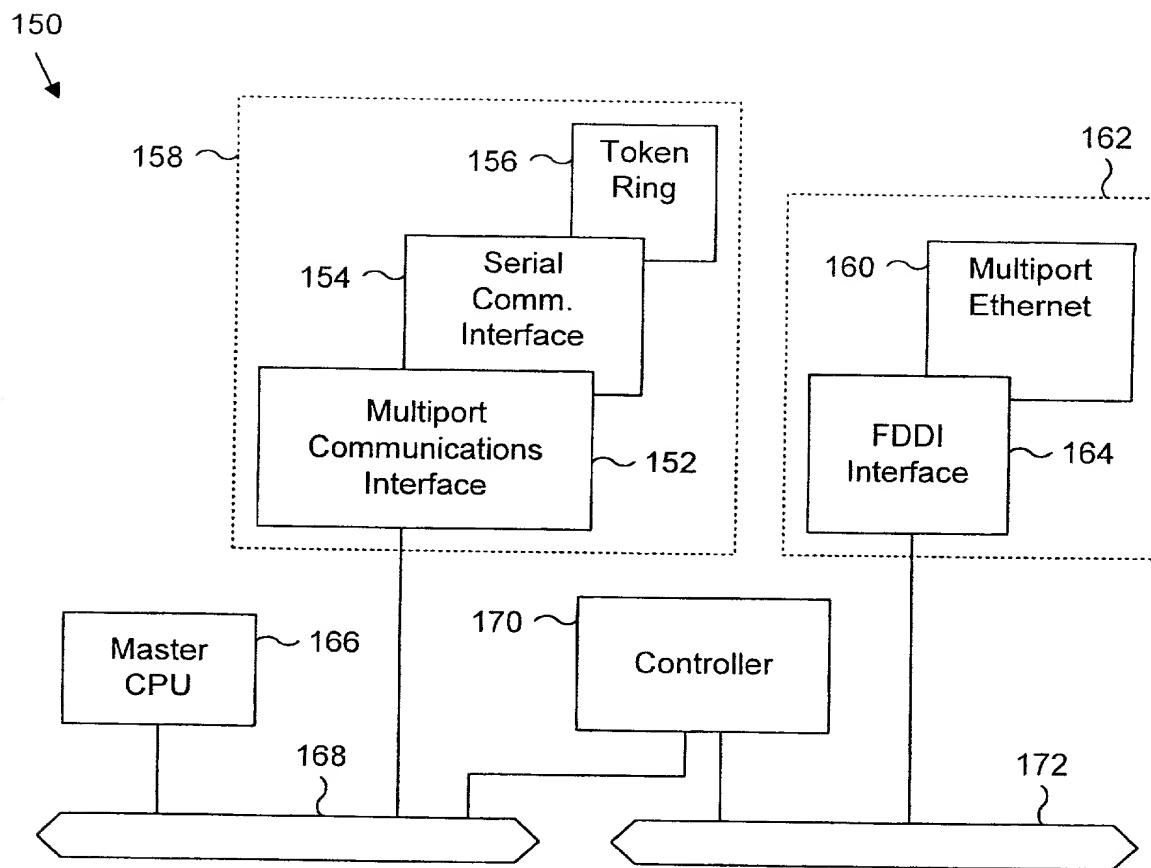


Figure 4

5/11

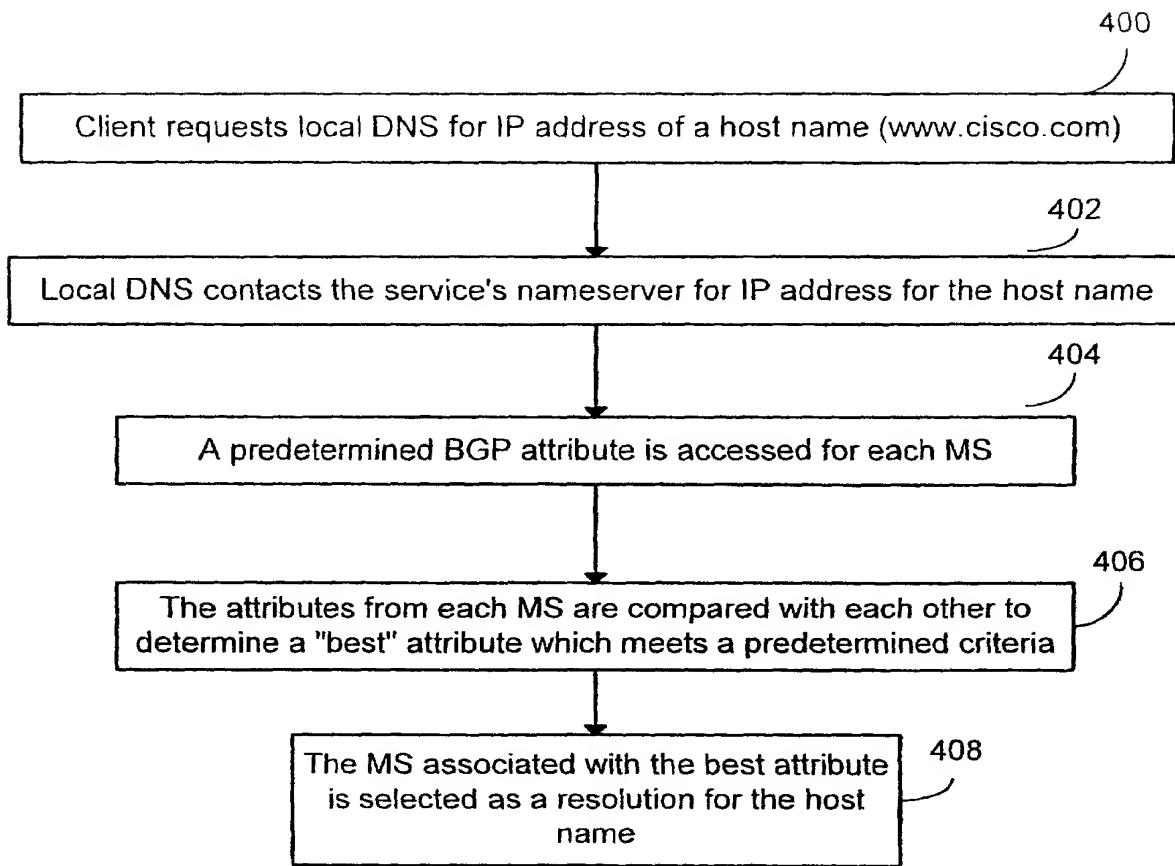


FIG 5

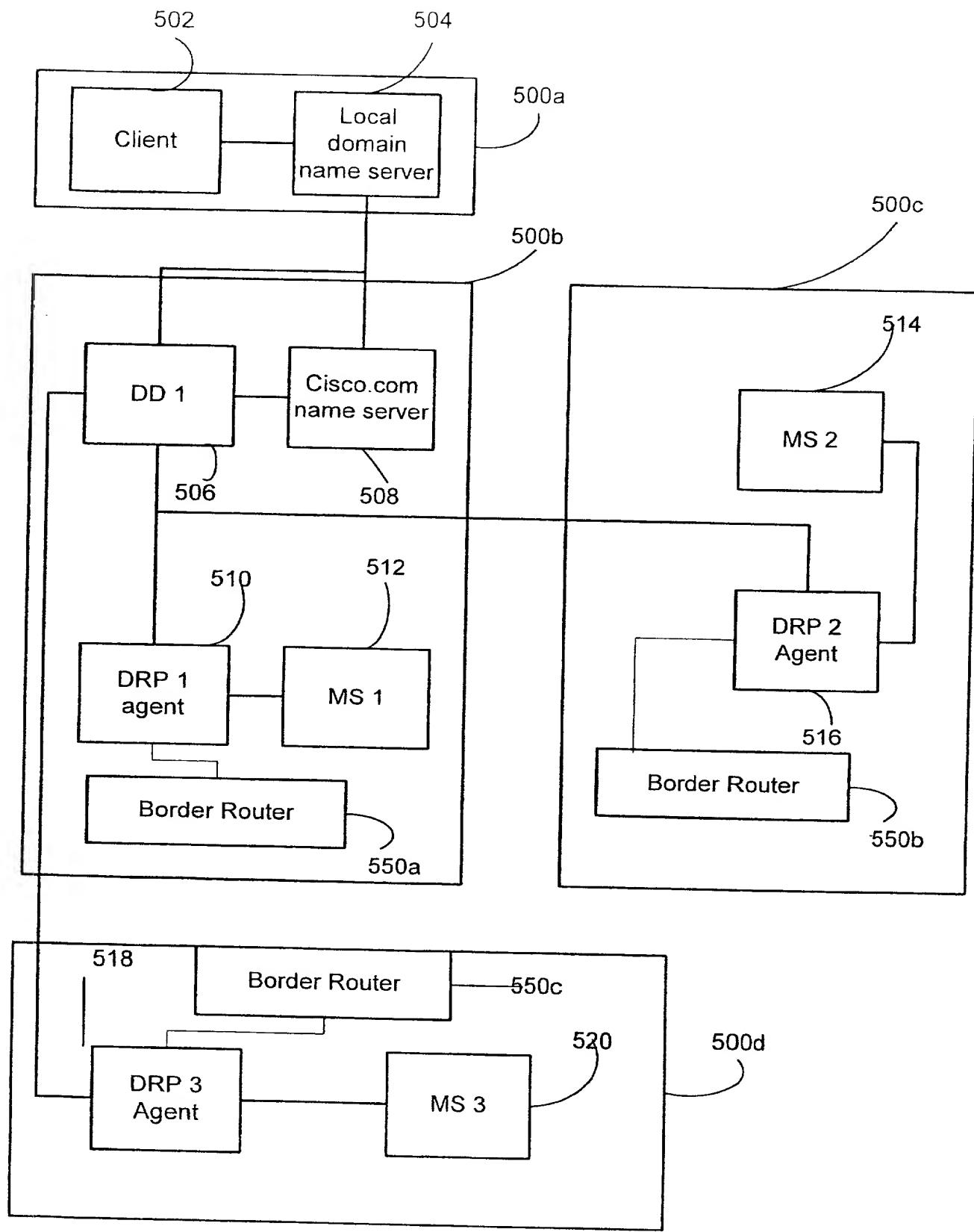


FIG 6

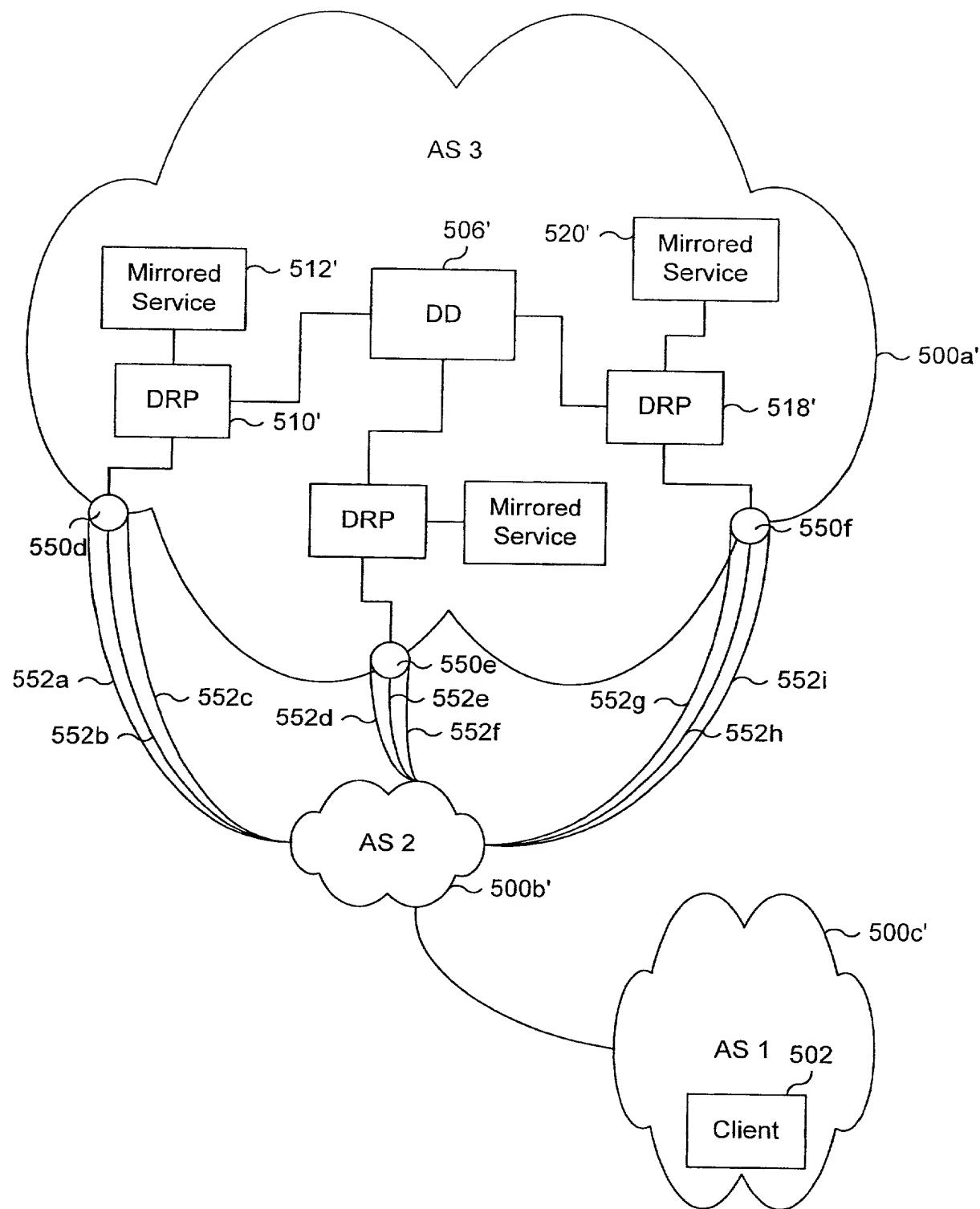


Figure 7

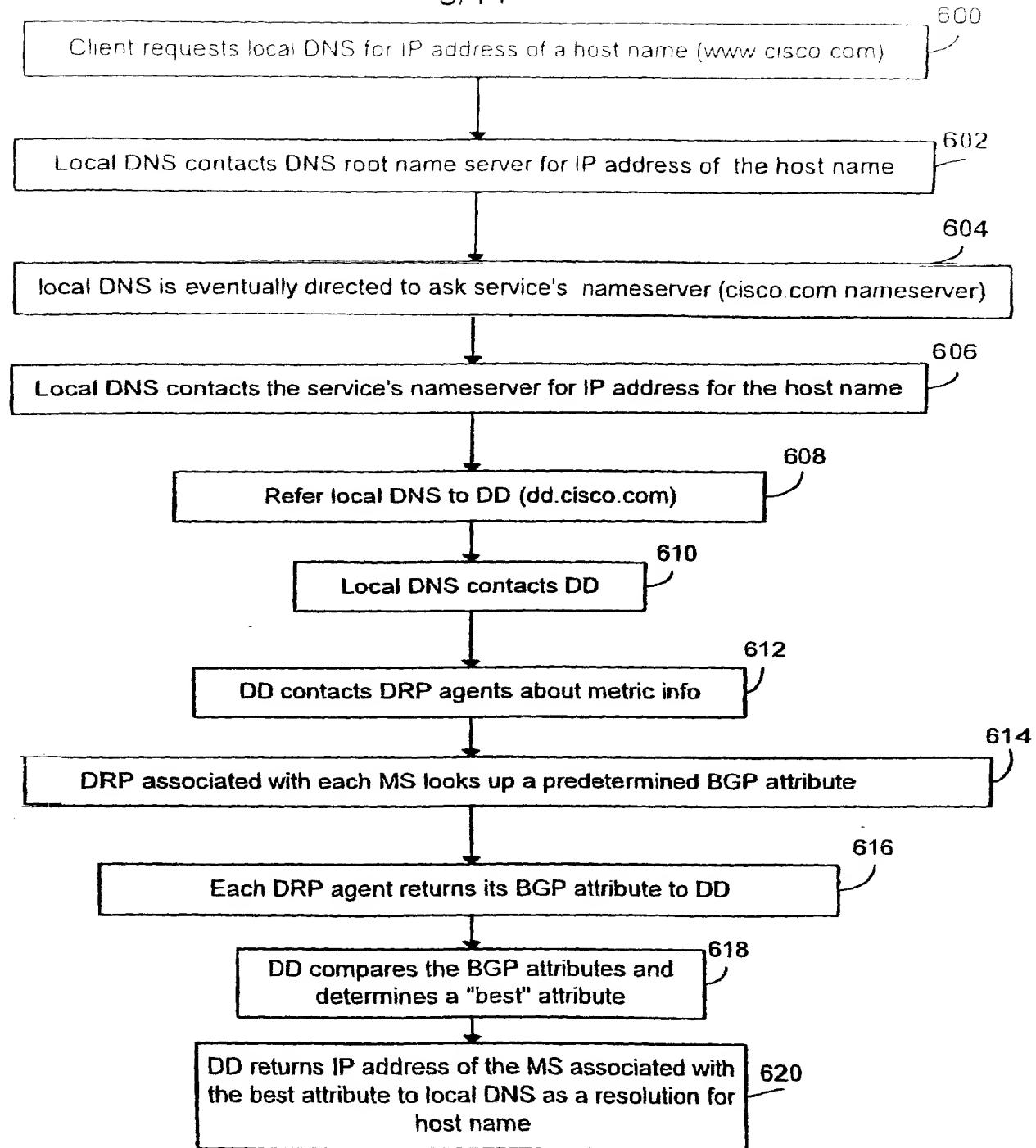


FIG 8

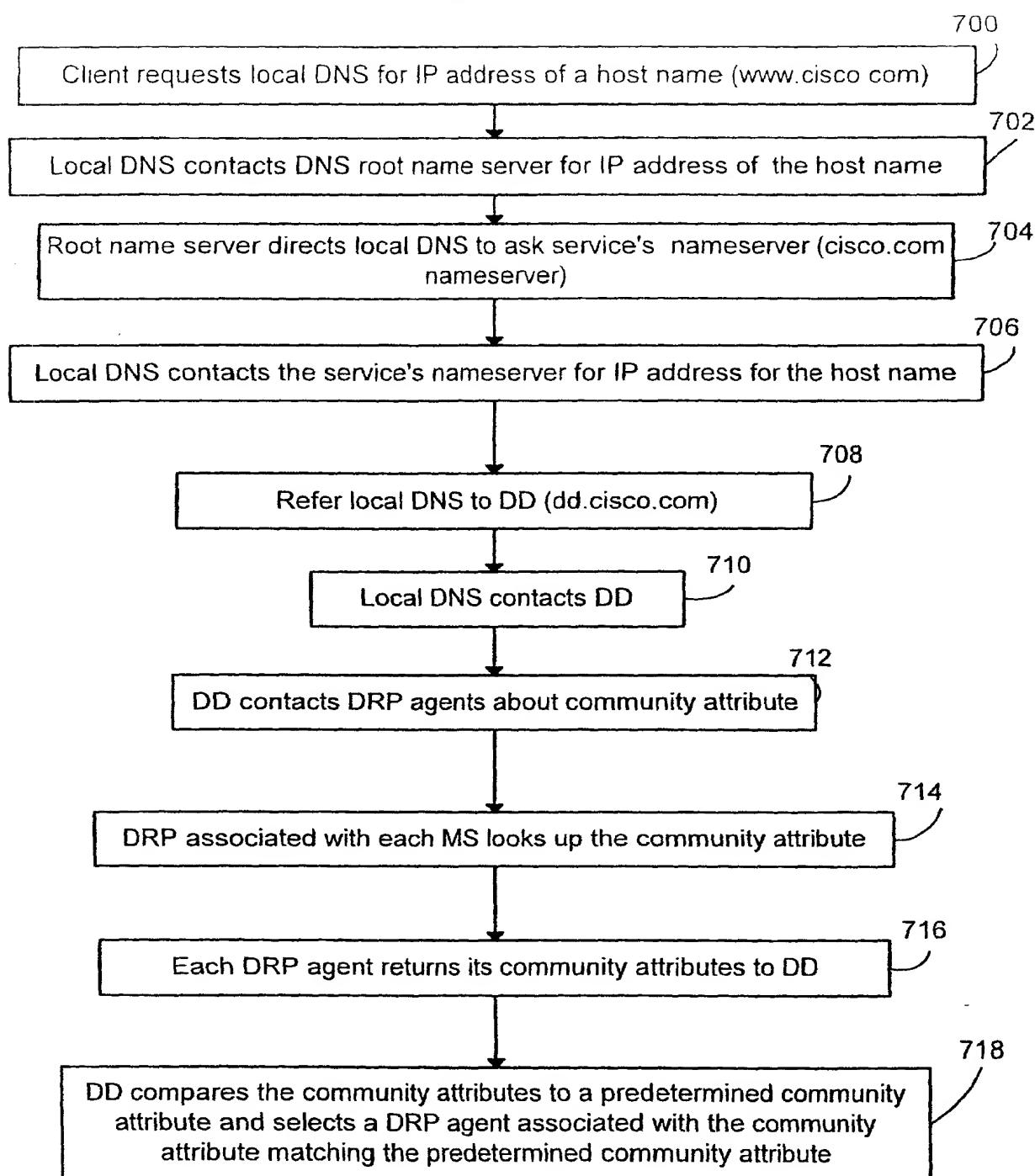


FIG 9

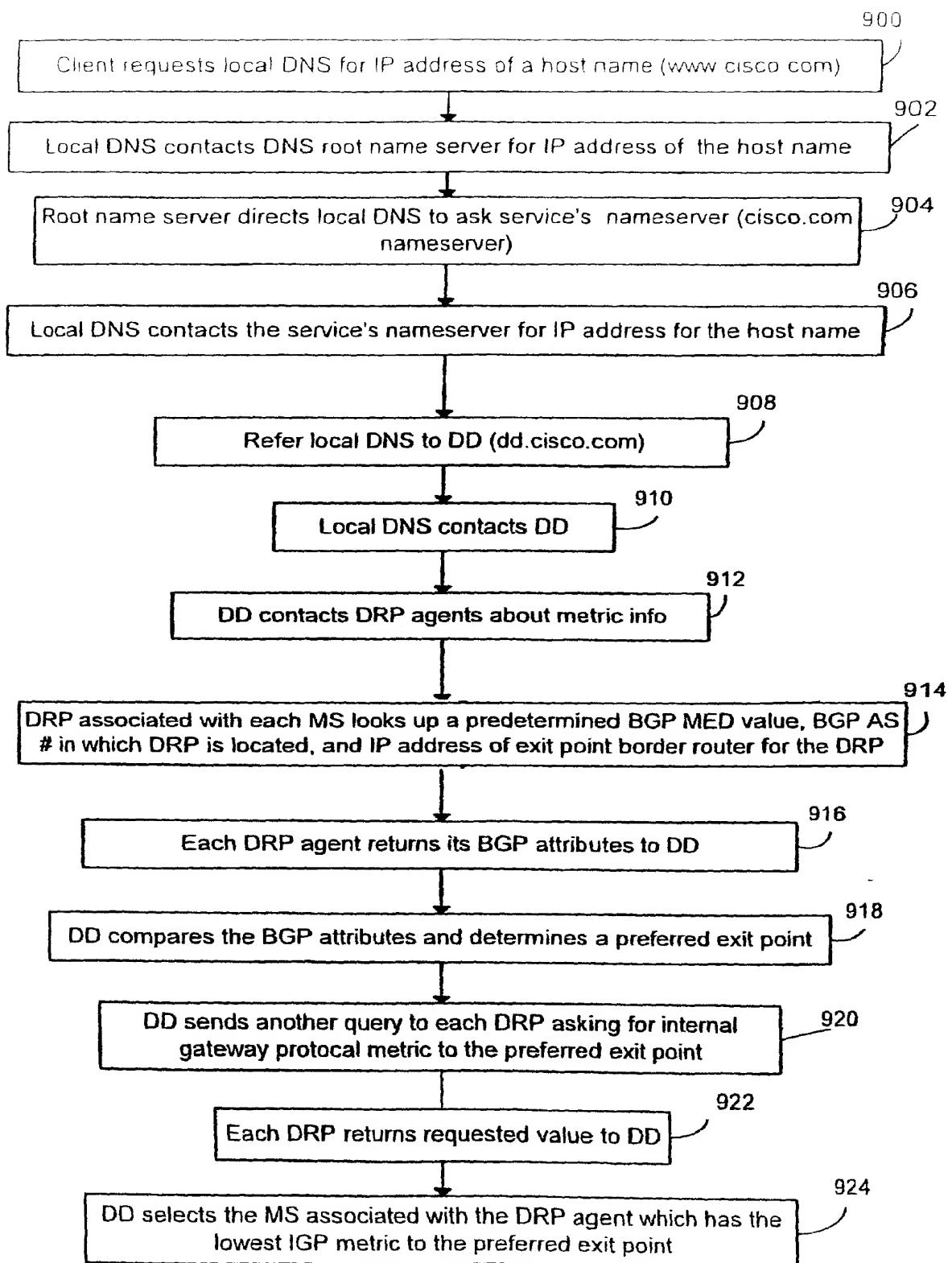


FIG 10

11/11

1100

Client requests local DNS for IP address of a host name (www.cisco.com)

1102

Local DNS contacts DNS root name server for IP address of the host name

1104

Root name server directs local DNS to ask service's nameserver (cisco.com nameserver)

1106

Local DNS contacts the service's nameserver for IP address for the host name

1108

Refer local DNS to DD (dd.cisco.com)

1110

Local DNS contacts DD

1112

DD asks DRP agents for local preference

1114

DRP associated with each MS looks up the local preference

1116

Each DRP agent returns its local preference to DD

1118

DD compares the local preferences and selects a mirrored service associated with the DRP agent with the lowest local preference

FIG 11